

Risk Assessment Presentation

Alameda Point RAB

Focus on Sites 14 & 15

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EPA
REGION 9

TOXICOLOGY & RISK ASSESSMENT

**The Most Important Concept in
Toxicology:**

"Only the dose makes the poison"

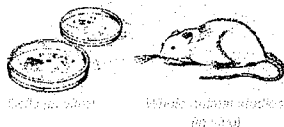
Paracelsus, 16th Century

**Where We Get Our
Data**

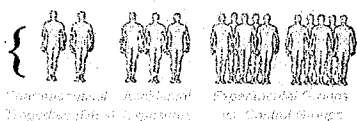
Observation of
Wildlife



Laboratory
Studies



Human Studies/
Epidemiology





Pathways

- Air
- Groundwater
- Soil
- Foodchain
- Cultural



Factors

- Is there a Completed pathway?
- What is the Concentration?
- What is the Frequency of contact?
- What is the Duration of contact?



Risk Topics

- **Risk Assessment** is how we measure and quantify excess risk
- **Risk Management** is the decision-making process to control excess risk
- **Risk Communication** is how we talk and include other agencies and communities in the risk management process
